

Journal of the British Thoracic Society

Impact Factor: 9.102

Editors-in-Chief

N Hart (UK)  
G Jenkins (UK)  
AR Smyth (UK)  
Deputy Editors  
R Chambers (UK)  
C Wainwright (Australia)

Associate Editors

D Baldwin (UK)	W Lemney (UK)
C Bloom (UK)	O M Kon (UK)
HJ Bogaard (The Netherlands)	B Mokhlesi (USA)
S Christenson (USA)	I Noth (USA)
T Coleman (UK)	J-L Pepin (France)
A Condliffe (UK)	M Polkey (UK)
GJ Criner (USA)	J Quint (UK)
L Donnelly (UK)	K Robinson (USA)
A Floto (UK)	L Rose (UK)
M Griffiths (UK)	B Sage (UK)
R Halifax (UK)	S Saglani (UK)
L Heaney (UK)	C Scotton (UK)
N Hopkinson (UK)	R Stevens (USA)
S Janes (UK)	P Wark (Australia)
G Kaltsakas (UK)	T Wilkinson (UK)
	P Wolters (USA)

Guidelines Associate Editor

I Du Rand (UK)

Statistical Editors

A Douiri (UK)  
S Nevitt (UK)  
L Stanberry (USA)  
S Stanojevic (USA)  
I Stewart (UK)  
R Szczesniak (USA)  
B Wagner (USA)  
Y Wang (UK)

Journal Club Editor

P Murphy (UK)

Multimedia Editor

R Moses (UK)

President, British Thoracic Society

Rachael Moses

Editorial Office

Thorax, BMJ Journals, BMA House, Tavistock Square, London, WC1H 9JR, UK  
T: +44 (0)20 7383 6373  
E: thorax@bmj.com

Twitter: @ThoraxBMJ

ISSN: 0040-6376 (print)

ISSN: 1468-3296 (online)

**Disclaimer:** The Editor of *Thorax* has been granted editorial freedom and *Thorax* is published in accordance with editorial guidelines issued by the World Association of Medical Editors and the Committee on Publication Ethics. *Thorax* is primarily intended for healthcare professionals and its content is for information only. The Journal is published without any guarantee as to its accuracy or completeness and any representations or warranties are expressly excluded to the fullest extent permitted by law. Readers are advised to independently verify any information on which they choose to rely. Acceptance of advertising by *Thorax* does not imply endorsement. Neither *BTS* nor *BMJ Publishing Group Limited* shall have any liability for any loss, injury or damage howsoever arising from *Thorax* (except for liability which cannot be legally excluded).

**Copyright:** © 2022 *BMJ Publishing Group Ltd* and the *British Thoracic Society*. All rights reserved; no part of this publication may be reproduced in any form without permission.

*Thorax* is published by *BMJ Publishing Group Ltd*, typeset by *Exeter Premedia Services Private Ltd*, Chennai, India and printed in the UK on acid-free paper.

*Thorax*, ISSN No: 0040-6376 (USPS 2143) is published monthly by *BMJ Publishing Group Ltd*, BMA House, Tavistock Square, WC1H 9JR London. Airfreight and mailing in the USA by agent named *World Container Inc*, 150-15, 183rd Street, Jamaica, NY 11413, USA. Periodicals postage paid at Brooklyn, NY 11256. US Postmaster: Send address changes to *Thorax*, World Container Inc, 150-15, 183rd Street, Jamaica, NY 11413, USA. Subscription records are maintained at *BMA House*, Tavistock Square, WC1H 9JR London. Air Business Ltd is acting as our mailing agent.

Highlights from this issue

845 Airwaves  
*M Griffiths, C M O'Kane, J K Quint*

Editorials

846 Mucosal associated invariant T cells in ARDS: MAIT cells set fire to macrophages via cytokines  
*D H Kim, B Kim, W-W Lee*

848 Post lung-transplant recipients with worsening depression: the need to identify, refer, and treat, but does it really help?  
*S Andrews*

849 Management of primary spontaneous pneumothorax: don't hesitate, ambulate!  
*J M A Daniels*

Controversies and challenges in respiratory medicine

851 Respiratory research in the UK: investing for the next 10 years  
*I Hall, S Walker, S T Holgate*

Asthma

854 Disadvantage in early-life and persistent asthma in adolescents: a UK cohort study  
*H Creese, E Lai, K Mason, D K Schlüter, S Saglani, D Taylor-Robinson, S Saxena*

Critical care

865 Altered distribution, activation and increased IL-17 production of mucosal-associated invariant T cells in patients with acute respiratory distress syndrome  
*T-O Kim, K-J Park, Y-N Cho, H-M Jin, Y-G Jo, H S Kim, J K Ju, H-J Shin, B-G Kho, S-J Kee, Y-W Park*

Cystic fibrosis

873 Projecting the impact of triple CFTR modulator therapy on intravenous antibiotic requirements in cystic fibrosis using patient registry data combined with treatment effects from randomised trials  
*R H Keogh, R Cosgriff, E-R Andropoulou, K G Brownlee, S B Carr, K Diaz-Ordaz, E Granger, N P Jewell, A Lewin, C Leyrat, D K Schlüter, M van Smeden, R D Szczesniak, G J Connett*

Lung cancer

882 Selection of eligible participants for screening for lung cancer using primary care data  
*E L O'Dowd, K ten Haaf, J Kaur, S W Duffy, W Hamilton, R B Hubbard, J K Field, M EJ Callister, S M Janes, H J de Koning, J Rawlinson, D R Baldwin*

Lung transplantation

891 Depressive symptoms in lung transplant recipients: trajectory and association with mortality and allograft dysfunction  
*N A Kolaitis, Y Gao, A Soong, J R Greenland, S R Hays, J A Golden, A Venado, L E Leard, R J Shah, M E Kleinhenz, P P Katz, J Kukreja, P D Blanc, P J Smith, J P Singer*

Respiratory infection

900 Risk factors for developing COVID-19: a population-based longitudinal study (COVIDENCE UK)  
*H Holt, M Talaei, M Greenig, D Zenner, J Symons, C Relton, K S Young, M R Davies, K N Thompson, J Ashman, S S Rajpoot, A A Karyale, S El Rifai, P J Lloyd, D Jolliffe, O Timmis, S Finer, S Iliodromiti, A Miners, N S Hopkinson, B Alam, G Lloyd-Jones, T Dietrich, I Chapple, P E Pfeffer, D McCoy, G Davies, R A Lyons, C Griffiths, F Kee, A Sheikh, G Breen, S O Shaheen, A R Martineau*

Respiratory research

913 Cost-effectiveness of ambulatory care management of primary spontaneous pneumothorax: an open-label, randomised controlled trial  
*R Luengo-Fernandez, F Landeiro, R Halifax, N M Rahman*

MORE CONTENTS ►

Cover caption: Respiratory research in the UK: investing for the next 10 years (see Hall I, et al. page 852)

This article has been chosen by the Editors to be of special interest or importance and is freely available online.

This article has been made freely available online under the BMJ Journals open access scheme. See <http://authors.bmj.com/open-access/>

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics  
<http://publicationethics.org/>


**recycle**  
When you have finished with this magazine please recycle it.

- 919** Metabolomic differences in lung function metrics: evidence from two cohorts  
*R S Kelly, I D Stewart, H Bayne, P Kachroo, A Spiro III, P Vokonas, D Sparrow, S T Weiss, H M Knihtilä, A A Litonjua, N J Wareham, C Langenberg, J A Lasky-Su*

---

## Brief communications

- 929** In vivo bronchial epithelial interferon responses are augmented in asthma on day 4 following experimental rhinovirus infection  
*H Farne, L Lin, D J Jackson, M Rattray, A Simpson, A Custovic, S Joshi, P A Wilson, R Williamson, M R Edwards, A Singanayagam, S L Johnston*

- 933** Longitudinal changes in sputum and blood inflammatory mediators during FeNO suppression testing  
 *S Couillard, R Shrimanker, S Lemaire-Paquette, G M Hynes, C Borg, C Connolly, S J Thulborn, A Moran, S Poole, S Morgan, T Powell, I Pavord, T Hinks*

---

## State of the art review

- 939** Cardiovascular disease in chronic obstructive pulmonary disease: a narrative review  
*V Balbirsingh, A S Mohammed, A M Turner, M Newnham*

---

## Images in Thorax

- 946** Massive colothorax secondary to intestinal pseudo-obstruction: an unusual cause of respiratory failure  
*B Pippard, L Clarke, V Chew, K Conroy, J Dunleavy*

---

## Journal club

- 948** Journal club  
*S Masterson*